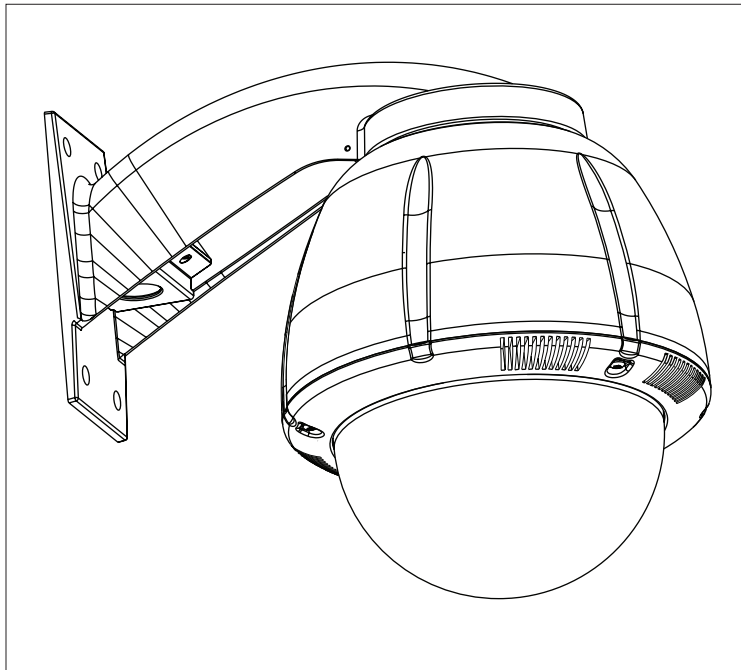


# Installation Instructions

Outdoor Dome Housings  
PODV7CWNS/PODV7CPNS



Manufactured By:

 **Videolarm**® for **Panasonic**®

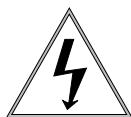
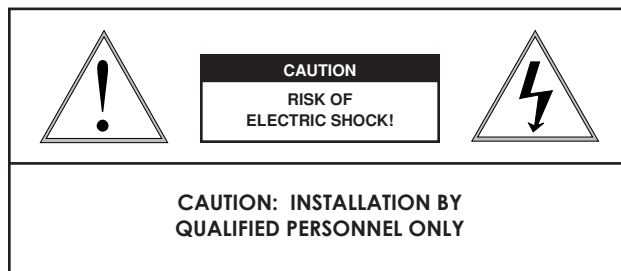
Before attempting to connect or operate this product,  
please read these instructions completely.

81-IN3090  
01/18/07

## IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the unit is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the unit and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and user instructions should be followed.
5. **Electrical Connections** - Only a qualified electrician should make electrical connections.
6. **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. **Cable Runs** - All cable runs must be within permissible distance.
8. **Mounting** - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit. Accordingly:
  - a. The installation should be made by a qualified service person, and should conform to all local codes.
  - b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit. Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

## SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1. The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
2. These Installation and Operating Instructions.

## SERVICE

For service on Panasonic/Videolarm equipment contact:  
Panasonic Technical Center  
54 West Gude Dr.  
Rockville MD 20850-1150

Phone: 301-762-5125

Fax: 301-251-0347

**PANASONIC TECHNICAL SUPPORT**

**1-800-528-6747**

**9:00 AM - 5:00 PM EASTERN TIME**

## PODV7CWNS/PODV7CPNS IP Ready Network Housing

IP Ready Network Housing with 24Vac input, wall mount or pendant mounting, heater & blowers, WV-NS202 and camera.

### ELECTRICAL SPECIFICATIONS (OUTDOOR ONLY):



Power 24Vac, Class 2 Only

Total Power: 52 watts (camera **not** included)

Accessories (Heater/Blower): 52 watts

Heater: 50 watts

Blower: 2 watt

Camera Power: 26 watts



**NOTE:** This unit is designed for operation in an upright position. Installing the housing upside down may cause damage to the internal equipment, and will void the warranty.

### GENERAL INSTRUCTIONS:

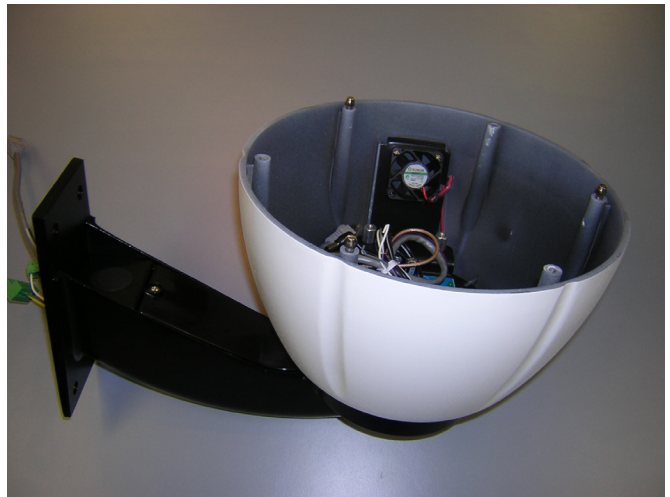
Tools Required: .100" Flat Head Screwdriver  
Phillips Head Screwdriver



Be sure the bracket is properly and securely mounted to a supporting structure capable of rigidly holding the weight of the entire unit.

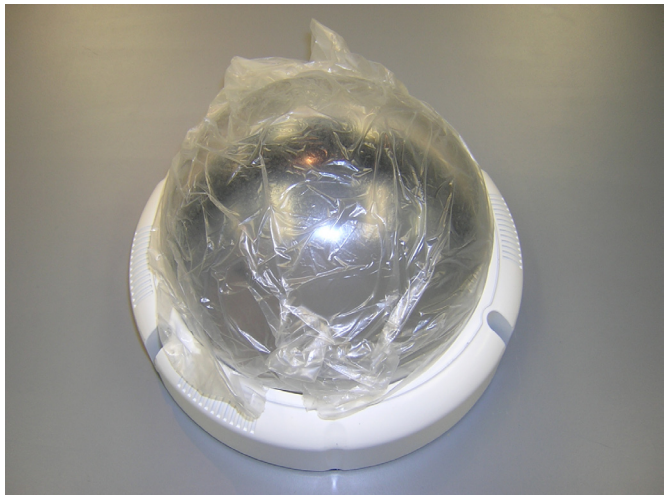
### ASSEMBLING THE UNIT:

1. Remove content from all boxes.  
Contents should include:



#### Main Housing Assembly

Either with wall mount or pendant bracket



#### Dome Assembly - Clear or Tinted

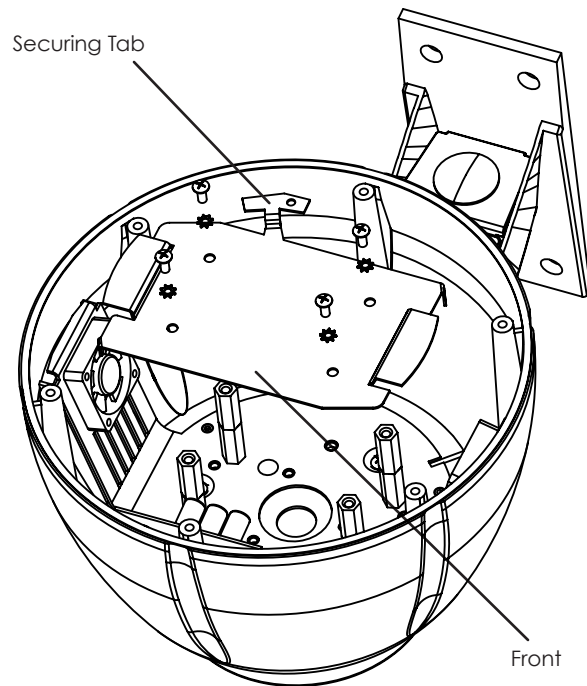
Do **not** remove the protective film until the product is assembled and installed.



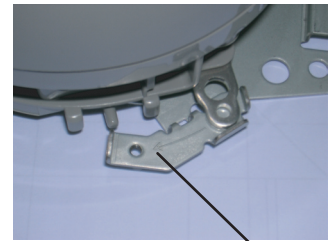
#### 3 Packet Assemblies

## INSTALLATION of the WV-NV202 Camera in the PODV7 Housing

1. Install the quick release plate on top of the spacers already installed in the housing. Note the orientation of the bracket. The securing tab must be facing the front of the housing. Secure the quick release plate into the housing using the (4) #8 bolts and star washers provided in the packet assembly.

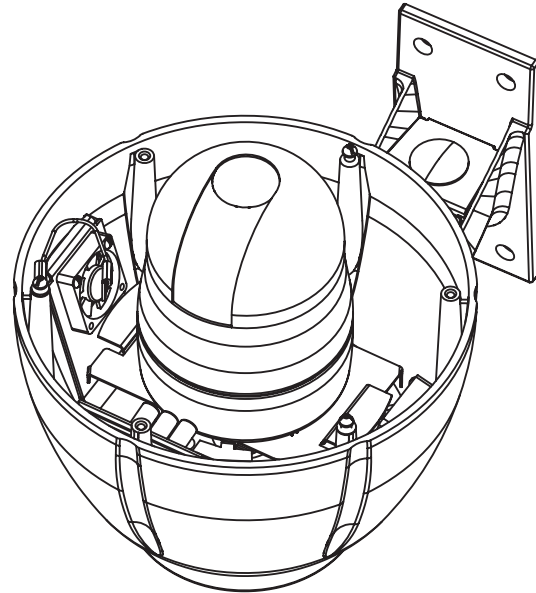


2. Attach the Camera to the quick release plate. Attach safety lanyard to the back of the camera. Position the camera as shown below on the quick release plate and twist clockwise.

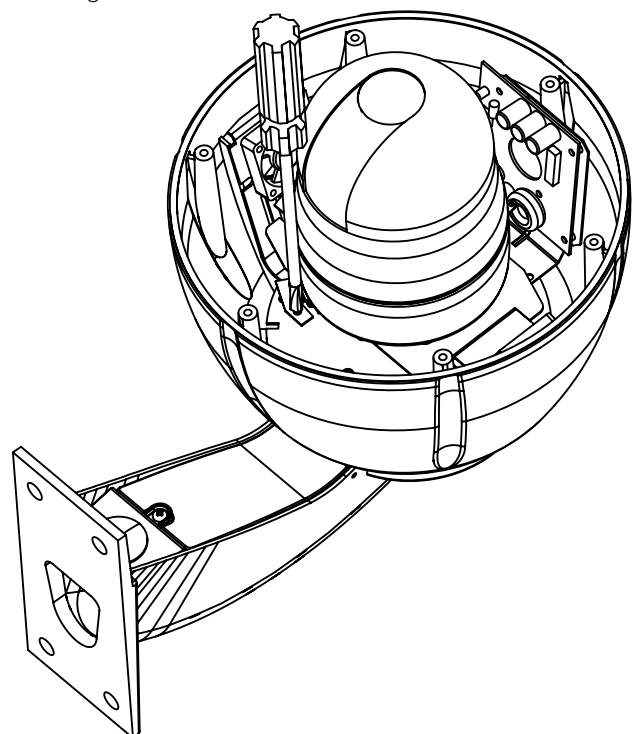
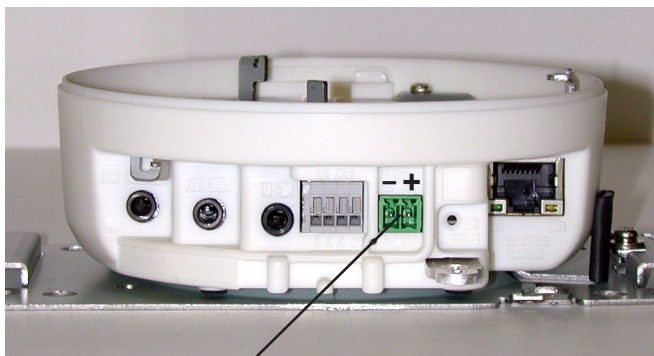


Twist camera to secure

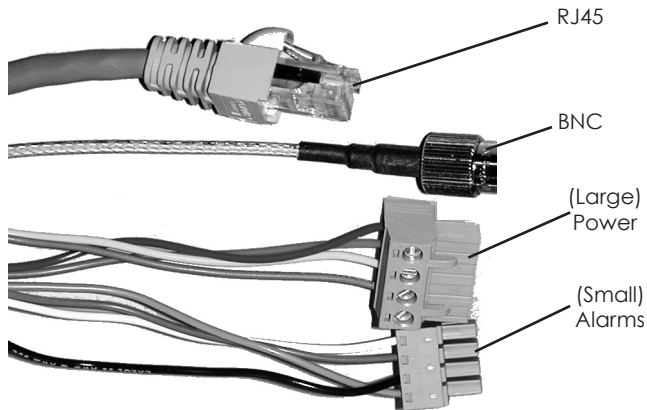
**(Please see Panasonic Operation Manual for additional details.)**



3. Complete wiring connections. Connect the RJ45 network cable to into the network input. Complete power connections.
4. Finish camera installation by securing the safety locking tab.



## WIRING INSTRUCTIONS (OUTSIDE OF HOUSING)



### Wiring Color Code Power and Control Inputs

POWER		
1	Camera Power (24 VAC)	Red
2	Camera Power (24 VAC)	Orange
3	Heater and Blower Power (24 VAC)	Yellow
4	Heater and Blower Power (24 VAC)	Green

CONTROL		
1	Alarm 1	Blue
2	Alarm 2	Violet
3	Alarm 3	Gray
4	Common	White

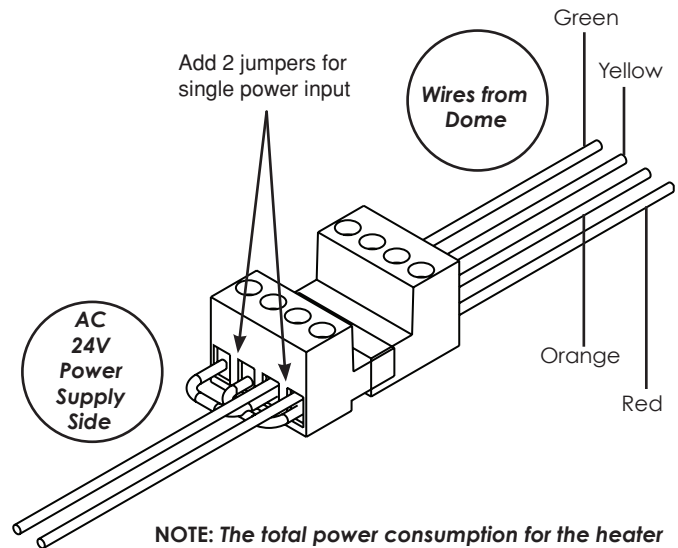
(2) 40Va power transformers are provided with all outdoor units.

The unit is set up with (2) individual power inputs:

1. Accessory Power (yellow and green wire)
2. Camera Power (red and orange)

If you wish to provide a single power transformer it is recommended that:

1. Be certain that you know the total power consumption of the housing Heater (25 watts) + Blower (1 watt) + camera pan/tilt (25 watts).
2. Check the supplied wiring chart (see below) to be sure that you have the proper gauge wire for the distance that you intend to run your power wires.
3. Bring power to the 3 and 4 position of the power connector (yellow and green wire).
4. Jumper from the 1<sup>st</sup> position to the 3<sup>rd</sup> position and from the 2<sup>nd</sup> position to the 4<sup>th</sup> position of the terminal block. Be careful not to short between the yellow and green wires.



**NOTE:** The total power consumption for the heater and blower, PLUS the camera you choose, need to be added together.

*In this example, a 60VA AC24V is required.*

### 24V AC Wiring Distances

The following are the recommended maximum distances for 24 VAC with a 10% voltage drop (10% is generally the maximum allowable voltage drop for AC powered devices).

Total vA consumed	Wire Gauge							Maximum distance from transformer to load
	22	20	18	16	14	12	10	
5.5	250	400	600	960	-	-	-	
10	120	180	300	480	800	1300	-	
20	89	141	225	358	571	905	1440	
30	65	90	130	225	350	525	830	
40	44	70	112	179	285	452	720	
50	35	56	90	143	228	362	576	
60	29	47	75	119	190	301	480	
70	25	40	64	102	163	258	411	
80	31	34	55	85	140	215	340	



## INSTALLING THE HOUSING ASSEMBLY:



Be sure the bracket is properly and securely mounted to a supporting structure capable of rigidly holding the weight of the entire unit.

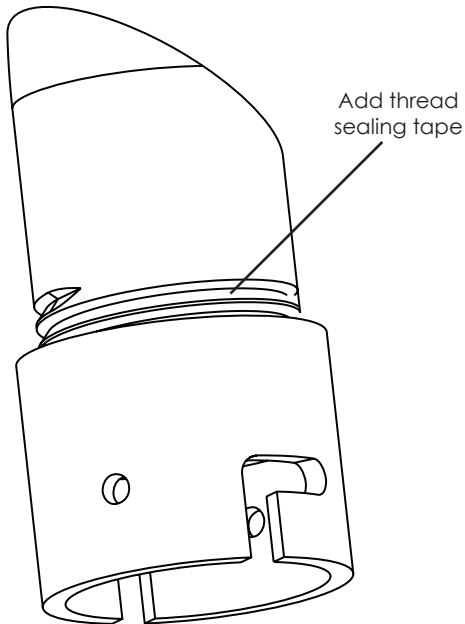


**NOTE:** This unit is designed for operation in an upright position. Installing the housing upside down may cause damage to the internal equipment, and will void the warranty.

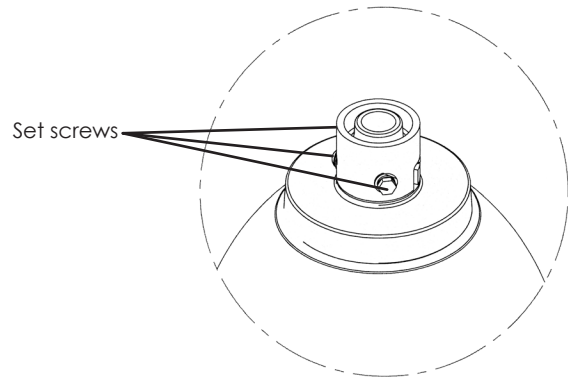
## INSTALLING PENDANT MOUNT

1. This unit includes a 1½" NPT housing for a standard 1½" NPT pipe. The housing can be used with other brackets designed with 1½" male pipe threads, such as the WM20G wall mount bracket.
2. Attach the housing coupling.

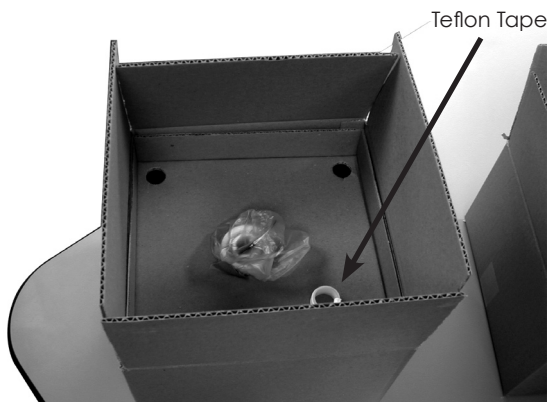
**NOTE:** Pipe threads should be clean and rust-free. Use the Teflon™ tape included with the housing on the threads.



3. Mount the housing assembly to the mounting bracket and housing coupling. A safety cable is included with the housing to temporarily hold it while making wiring connections. Loop the safety cable over one of the set screws on the housing coupling and make the appropriate connections using the (2) screw-down connectors supplied.
4. Undo the safety cable and twist the housing onto the housing coupling. Secure all (3) setscrews provided on the housing coupling.



A small roll of Teflon tape is provided with all pendant units.



## INSTALLING WALL MOUNT

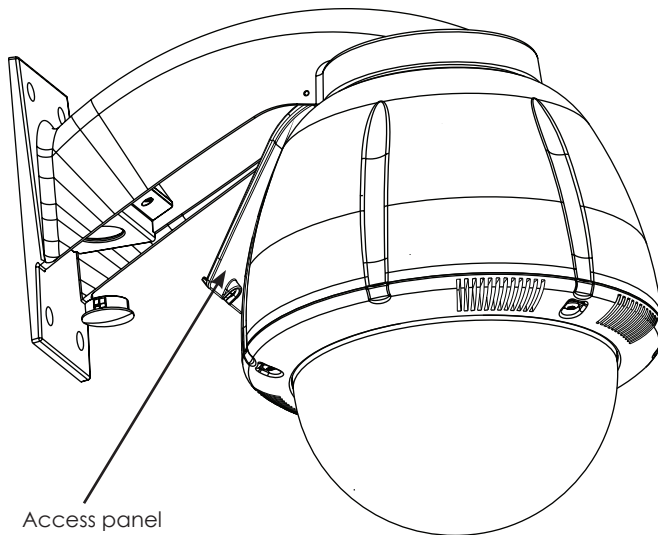
A wall mount bracket comes standard with this unit, and a template is included to use as a guide for mounting the bracket to a wall.

1. Choose the desired location for installation and mark the drill holes using the template. Screw (2) bolts (not provided) about  $\frac{3}{4}$  of the way into the (2) top holes. Run approximately 8' of wiring out of the wall.

**NOTE:** Be sure the hardware and the mounting surface can support the weight of the wall mount bracket plus the weight of the housing and drive unit. The load will be subjected to vibration from the camera motor and wind.

2. The wall mount bracket provided with the FDW7 includes a location for conduit entry. If you wish to install conduit to the bracket remove the conduit hole plug. Install fitting from below the wall mount and secure with conduit nut from inside the bracket.

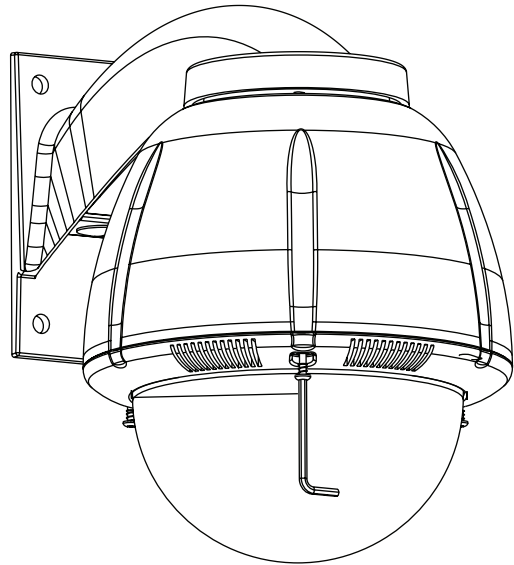
3. Open the access door on the bottom of the wall mount by loosening the screw nearest the mounting plate.



4. Attach the wires from the wall to the connector provided, using the wiring color code chart as a guide.
5. Once all wiring connections are made, place the wires inside the wall mount bracket and close the access door. Secure with the screw removed earlier.

## CONNECTING THE TRIM RING ASSEMBLY TO THE HOUSING TOP:

1. Open the access door on the bottom of the wall mount by loosening the screw nearest the mounting plate.



**Remove dome by twisting counterclockwise until it stops, then pull down**

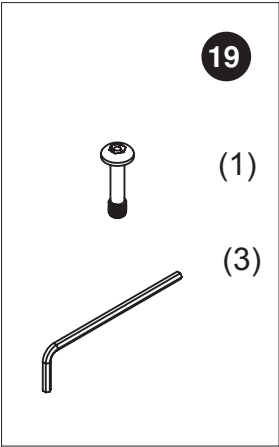
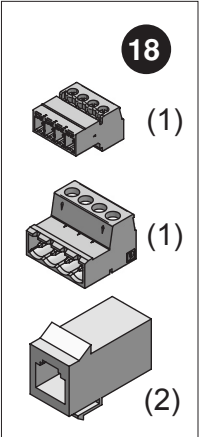
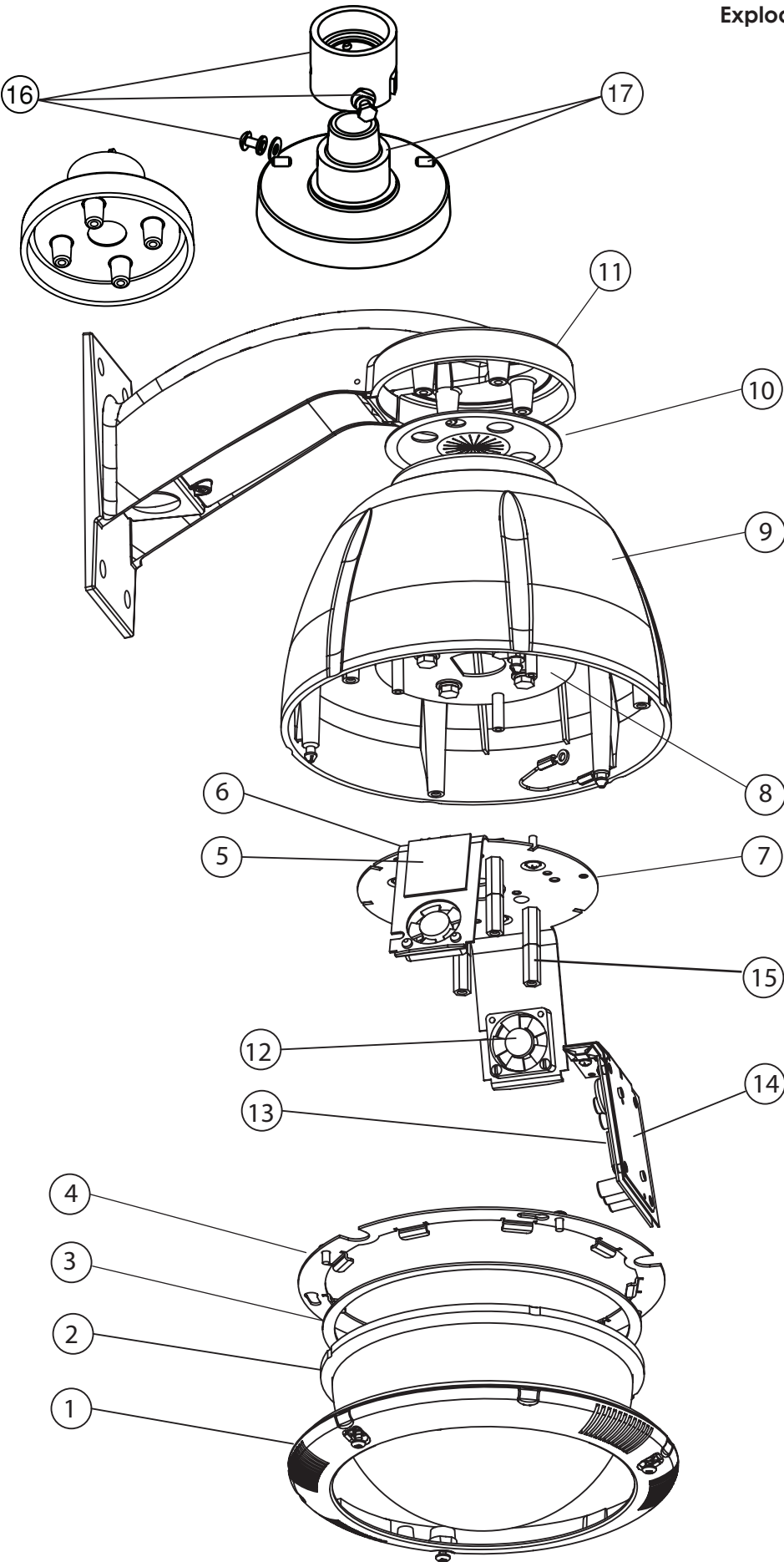
2. To attach trim ring align pins with keyhole slots and turn clockwise about  $\frac{1}{2}$ " (12mm). Secure (3) screw or use (3) security screws and security tool provided.

## CARE AND CLEANING OF DOMES:

All RHW75 and RHP75 units include an optically clear polycarbonate dome. The dome is an optical device and should be handled with extreme care. Leave protective film on dome until product is fully assembled and installed. Even though the dome is virtually unbreakable, it **can** be easily scratched.

*Clean only with a clean cotton cloth and warm water.*

**DO NOT use a strong solvent or cleanser!**





## Replacement Parts List

	Part Number	Description
1	RPRH702	Lower Trim Ring (White)
2	RC7C	Clear Replacement Capsule
	RC7T	Tinted Replacement Capsule
3	RPRH726	Spacing Ring
4	RPRH703	Clamping Ring
5	RPFD072	24VAC Heater
6	RPRH707	Connection PCB
7	RPFD060	Camera Bracket
8	RPFD040	Upper Bracket Assembly
9	RPRH709	Housing Top
10	RPFD2612	Housing Top Gasket
11	WM10	Wall Mount Bracket (Black)
12	RPFD080	12VDC Blower (Used on 24VAC Units)
13	RPNET02	24 to 12DC Power Supply
14	RP-FDJV-2000	Power Supply Bracket
15	RPPKPODV	1" spacers (set of 4)
16	SD0160	Pendent Mount Bracket
17	SD0170	Pendent Housing Coupling
18	RPPKE1125	Electrical Connector Packet
19	RPPKH2100	Housing Hardware Packet – Security Screws

# Mounting Template

